



Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P23704Serial No.
10/646,859INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Hiroshi NOMURAFiling Date
August 25, 2003Group
2851

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4 5 2 5 0 5 0	06/25/85	OHASHI			
	4 6 4 3 5 5 5	02/17/87	WAKABAYASHI			
	4 7 2 1 9 7 2	01/26/88	WAKABAYASHI			
	4 7 9 2 8 2 2	12/20/88	AKIYAMA et al.			
	5 8 1 8 6 4 7	10/06/98	NISHIO et al.			
	6 0 3 1 9 9 8	02/29/00	SHONO			
	4 4 5 1 1 2 9	05/29/84	IKARI et al.			
	4 6 4 3 5 5 4	02/17/87	OGAWA			
	4 7 7 1 3 0 3	09/13/88	MATSUMOYO et al.			
	4 8 8 7 1 0 7	12/12/89	NAKAMURA et al.			
	5 1 3 6 3 2 4	08/04/92	TSUBOI et al.			
	5 7 6 5 0 4 9	06/09/98	HASE et al.			
	5 8 3 2 3 2 6	11/03/98	TANAKA			
	6 3 6 6 3 2 3	04/02/02	SHONO et al.			

FOREIGN PATENT DOCUMENTS


	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	5 8 1 4 5 9 3 0	08/31/83	JAPAN			
	6 1 - 6 9 0 0 2	04/09/86	JAPAN			
	6 1 2 7 0 7 3 7	12/01/86	JAPAN			
	6 3 1 4 9 6 2 9	06/22/88	JAPAN			
	6 4 - 3 4 6 2 3	03/02/89	JAPAN			X
	6 - 1 8 7 7 7	01/28/94	JAPAN			X
	7 - 1 9 1 2 4 9	07/28/95	JAPAN			
	1 1 1 0 9 2 0 3	04/23/99	JAPAN			

JAPAN OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER		DATE CONSIDERED	9/5/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant Hiroshi NOMURA			
				Filing Date August 25, 2003		Group 2851	



U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	YEAR	CITATION	DOCUMENT NUMBER				DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
[Handwritten initials]	2004	/0	0	4	2	0	9	5	03/04/04	NOMURA			
	2004	/0	0	4	2	0	9	3	03/04/04	NOMURA			
	2004	/0	0	6	2	5	3	6	04/01/04	NOMURA			
	2004	/0	0	5	1	9	6	8	03/18/04	NOMURA			
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		6	1	1	5	1	9	0	09/05/00	HIRAI			
		6	0	6	4	5	3	3	05/16/00	KENIN et al.			
2003	/0	0	8	1	3	2	5		05/01/03	NOMURA et al.			
2001	/0	0	2	4	5	7	3		09/27/01	NOMURA et al.			
2002	/0	1	3	5	9	0	0		09/26/02	NOMURA et al.			
		6	0	7	5	6	5	5	06/13/00	FUNAHASHI			

EXAMINER [Handwritten signature]	DATE CONSIDERED 9/5/04
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U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	YEAR	/	DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2002	/0	1	3	5	9	0	1	09/26/02	NOMURA et al.			
	2003	/0	0	8	1	3	2	7	05/01/03	NOMURA et al.			
	2002	/0	1	3	5	8	9	6	09/26/03	NOMURA et al.			
		6	0	5	5	1	1	6	04/25/00	NOMURA et al.			
		6	2	0	4	9	7	7	03/20/01	IWASA			
		5	4	3	0	5	1	6	07/04/95	UZIIE et al.			
	2003	/0	0	8	1	9	4	8	05/01/03	NOMURA et al.			
	2001	/0	0	1	9	4	5	8	09/06/01	NOMURA et al.			
		4	9	9	3	8	1	5	02/19/91	YAMAZAKI et al.			
		5	8	1	8	6	4	7	10/06/98	NISHIO et al.			
		5	7	3	1	9	1	3	03/24/98	IMANARI			
		5	7	3	9	9	6	2	04/14/98	ASAKURA et al.			
	2003	/0	1	5	6	8	3	2	08/21/03	NOMURA et al.			
		5	5	8	7	7	5	4	12/24/96	KATAYAMA et al.			
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		5	2	2	3	8	7	3	06/29/93	TSUBOI			
		5	0	8	6	3	1	2	02/04/92	TANAKA et al.			
		5	4	9	9	1	4	3	03/12/96	SAKAMOTO et al.			
		6	0	6	9	7	4	5	05/30/00	FUJII et al.			
		6	3	2	4	0	1	9	11/27/01	TAKANASHI et al.			
		5	4	8	5	3	1	5	01/16/96	NOMURA et al.			
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		58	-	1	0	7	0	8	01/21/83	JAPAN		
		2	3	4	4	6	6	1	06/14/00	UNITED KINGDOM		
		2	2	6	2	3	5	6	06/16/93	UNITED KINGDOM		
	2003	-	2	0	7	7	0	9	07/25/03	JAPAN		
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	2002	-	2	7	7	7	1	9	09/25/02	JAPAN		
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	58	-	1	6	2	9	1	4	09/27/83	JAPAN		
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	10	-	3	2	7	4	0	02/03/98	JAPAN		X	
	7	-	2	8	8	7	2	4	10/31/95	JAPAN		X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)												
		1	English Language Abstract of JP 58-10708.									
		2	English Language Abstract of JP 2003-207709.									
		3	English Language Abstract of JP 2002-277719.									
		4	English Language Abstract of JP 10-282394.									
		5	English Language Abstract of JP 58-162914.									
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